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**Substitute for form 1449/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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of 9

**Complete if Known**

Application Number	10/680,286
Filing Date	OCTOBER 6, 2003
First Named Inventor	MARQUERITE CERVIN
Art Unit	1652
Examiner Name	I.H. CHOWDHURY

Attorney Docket Number CL2180 US NA

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

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Sheet	2	of	9	Attorney Docket Number	CL2180 US NA

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/IC/		NCBI, General Identification No. 15802948, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).				
		NCBI, General Identification No. 16130341, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006).				
		NCBI, General Identification No. 26248792, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....				
		NCBI, General Identification No. 15832541, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil .....				
		NCBI, General Identification No. 15802949, Perna, N.T. et al., Nature 409 (6819), 529-33 (2001), Genome sequence of enterohemorrhagic Escherichia coli 0157:H7.				
		NCBI, General Identification No. 16130342, Riley, M. et al., Nucleic Acids Res. 34(1), 1-9 (2006), Escherichia coli K-12: a cooperatively developed annotation snapshot-2005.				
		NCBI, General Identification No. 26248793, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002), Extensive mosaic structure revealed by the .....				
		NCBI, General Identification No. 15832542, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil .....				
↓		NCBI, General Identification No. 15802950, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).				
/IC/		NCBI, General Identification No. 6130343, Riley, M. et al., Nucleic Acids Res. 34(1), 1-9 (2006), Escherichia coli K-12: a cooperatively developed annotation snapshot-2005.				

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		NCBI, General Identification No. 16130320, Riley, M. et al., Nucleic Acids Res. 34(1), 1-9 (2006), Escherichia coli K-12: a cooperatively developed annotation snapshot-2005.	
		NCBI, General Identification No. 26248769, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....	
		NCBI, General Identification No. 15832522, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil .....	
		NCBI, General Identification No. 15803482, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 16130844, Riley, M. et al., Nucleic Acids Res. 34(1), 1-9 (2006), Escherichia coli K-12: a cooperatively developed annotation snapshot-2005.	
		NCBI, General Identification No. 26249364, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....	
↓		NCBI, General Identification No. 15833073, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil .....	
/IC/		NCBI, General Identification No. 15802193, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	

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/IC/		NCBI, General Identification No. 16129733, Riley, M. et al., <i>Escherichia coli K-12: a cooperatively developed annotation snapshot--2005</i> , <i>Nucleic Acids Res.</i> 34(1), 1-9 (2006).		
		NCBI, General Identification No. 26248038, Welch R.A. et al., <i>Proc. Natl. Acad. Scii. U.S.A.</i> 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....		
		NCBI, General Identification No. 15831742, Hayashi, T. et al., <i>DNA Res.</i> 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic <i>Escherichia coli</i> .....		
		NCBI, General Identification No. 15804972, Perna, N.T. et al., <i>Genome sequence of enterohemorrhagic <i>Escherichia coli</i> 0157:H7</i> <i>Nature</i> 409 (6819), 529-533 (2001)		
		NCBI, General Identification No. 16132218, Riley, M. et al., <i>Escherichia coli K-12: a cooperatively developed annotation snapshot--2005</i> , <i>Nucleic Acids Res.</i> 34(1), 1-9 (2006).		
		NCBI, General Identification No. 26251294, Welch R.A. et al., <i>Proc. Natl. Acad. Scii. U.S.A.</i> 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....		
		NCBI, General Identification No. 15834613, Hayashi, T. et al., <i>DNA Res.</i> 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic <i>Escherichia coli</i> .....		
		NCBI, General Identification No. 15804552, Perna, N.T. et al., <i>Genome sequence of enterohemorrhagic <i>Escherichia coli</i> 0157:H7</i> <i>Nature</i> 409 (6819), 529-533 (2001).		
↓		NCBI, General Identification No. 16131794, Riley, M. et al., <i>Escherichia coli K-12: a cooperatively developed annotation snapshot--2005</i> , <i>Nucleic Acids Res.</i> 34(1), 1-9 (2006)		
/IC/		NCBI, General Identification No. 26250729, Welch R.A. et al., <i>Proc. Natl. Acad. Scii. U.S.A.</i> 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....		

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/IC/		NCBI, General Identification No. 15834139, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil .....			
		NCBI, General Identification No. 15801909, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).			
		NCBI, General Identification No. 16129231, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot—2005, Nucleic Acids Res. 34(1), 1-9 (2006).			
		NCBI, General Identification No. 26247599, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....			
		NCBI, General Identification No. 15831096, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil .....			
		NCBI, General Identification No. 5803555, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).			
		NCBI, General Identification No. 16130909, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot—2005, Nucleic Acids Res. 34(1), 1-9 (2006).			
		NCBI, General Identification No. 26249576, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....			
↓		NCBI, General Identification No. 15833149, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil ...			
/IC/		NCBI, General Identification No. 15800822, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).			

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/IC/		NCBI, General Identification No. 90111195, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26246985, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....	
		NCBI, General Identification No. 15802843, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 16130231, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26248684, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the complete.	
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		NCBI, General Identification No. 16130232, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
↓		NCBI, General Identification No. 26248686, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....	
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		NCBI, General Identification No. 26247703, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....			
		NCBI, General Identification No. 15831275, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil .....			
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		NCBI, General Identification No. 90111619, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006).			
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/IC/		NCBI, General Identification No. 26248116, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....	
		NCBI, General Identification No. 15804515, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 16131764, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26250692, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....	
		NCBI, General Identification No. 15834105, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil .....	
		NCBI, General Identification No. 15804542, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 90111668, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26250718, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the .....	
↓		NCBI, General Identification No. 38704215, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coil .....	
/IC/		V. GERSHANOVITCH ET AL. Repression of Inducible Enzyme Synthesis..., Molec. Gen. Genet. 153, 185-190, 1977.	

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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/680,286
				Filing Date	OCTOBER 6, 2003
				First Named Inventor	MARQUERITE CERVIN
				Art Unit	1652
				Examiner Name	I.H. CHOWDHURY
Sheet	9	of	9	Attorney Docket Number	CL2180 US NA

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/IC/		T. HESTERKAMP ET AL., A Reporter Gene Assay for Inhibitors..., J. Mol. Microbiol. Biotechnol, 1999, 1(2): 309-317.				
		D. W. SAFFEN ET AL., Sugar Transport by the Bacterial ...., Journal of Biological Chemistry, Vol. 262, No. 33, Issue Nov. 25, pp. 16241-16253, 1987.				✓
		YEA-TYNG YANG, Metabolic Flux Analysis of Escherichia coil....., Metabolic Engineering Vol. 1, 26-34, 1999.				
		S. ALEXEEVA ET AL., Effects of Limited Aeration and...., Journal of Bacteriology, Sept. 2000, Vol. 182, No. 17, p. 4934-4940.				
		S. TÖTEMAYER ET AL., From famine to feast: the role of methylglyoxal...., Molecular Microbiology 27(3) 553-562, 1998.				
		C. BAUSCH ET AL., Sequence Analysis of the GntII (Subsidiary) System for Gluconate....., Journal of Bacteriology, July 1998, Vol. 180, No. 14, p. 3704-3710.				
↓		H. P. SCHWEIZER ET AL., Structure and gene-polypeptide relationships..., Microbiology, 1997, 143, 1287-1297.				
/IC/		N. E. ALTARAS ET AL., Metabolic Engineering of a 1,2-Propanediol..., Applied & Environmental Microbiology, Mar. 1999, Vol. 65, No. 3, p. 1180-1185.				

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